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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2007; month=12; day=12; hr=12; min=23; sec=20; ms=356;]

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Reviewer Comments:

<210> 4

<211> 6

<212> PRT

<213> Artificial

<220>

<223> Synthetic Peptide

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa=t-butoxycarbonyl (BOC)

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa=aminomethylcoumarin (AMC)

<400> 4

Xaa Ala Gly Pro Arg Xaa

1

5

The above explanations for "Xaa's" are invalid: "Xaa" can only represent a single amino acid, nothing else. Same error in Sequences 7-10.

Application No: 10805683

Version No: 1.0

Input Set:

Output Set:

Started: 2007-11-20 20:17:01.911

Finished: 2007-11-20 20:17:06.297

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 386 ms

Total Warnings: 20

Total Errors: 16

No. of SeqIDs Defined: 20

Actual SeqID Count: 20

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
E 257	Invalid sequence data feature in <221> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 257	Invalid sequence data feature in <221> in SEQ ID (3)
E 257	Invalid sequence data feature in <221> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)

Input Set:

Output Set:

Started: 2007-11-20 20:17:01.911
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Total Warnings: 20
Total Errors: 16
No. of SeqIDs Defined: 20
Actual SeqID Count: 20

Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 202	Invalid input format; Value must be an integer in <305> in SEQ ID
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> MPA Technologies, Inc.
Charles, Spangler W.
Aleksander , Rebane

<120> Multifunctional Photodynamic Agents For Treating Of Disease

<130> A-72170-1

<140> 10805683

<141> 2007-11-20

<150> US 60/453,618

<151> 2003-03-10

<160> 20

<170> PatentIn version 3.4

<210> 1

<211> 14

<212> PRT

<213> Artificial

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<223> Synthetic Peptide (Somatostatin 14)

<220>

<221> DISULFID

<222> (3)..(14)

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<211> 8

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<213> Artificial

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<223> D isomer

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<222> (2)..(7)

<220>

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<222> (4)..(4)

<223> D isomer

<300>

<301> Becker, A., Hassenius, C., Licha, K., et al.

<302> Receptor-targeted Optical Imaging of Tumors with Near-infrared
Fluorescent Ligands

<303> Nature Biotech.

<304> 19

<305> 4

<306> 327-31

<307> 2001

<400> 2

Phe Cys Phe Trp Lys Thr Cys Thr

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<210> 3

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<223> D isomer

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<222> (4)..(4)

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<212> PRT

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<221> MISC_FEATURE
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<223> Xaa=t-butoxycarbonyl (BOC)

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<222> (6)..(6)
<223> Xaa=aminomethylcoumarin (AMC)

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Xaa Ala Gly Pro Arg Xaa
1 5

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<211> 7
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<220>
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<300>
<301> Netzel-Arnett, S., et al.
<303> Biochem.
<304> 32
<306> 6427-6432
<307> 1993

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Pro Met Ala Leu Trp Met Arg
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<400> 6

Leu Trp Met Arg
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<223> Xaa= (7-methoxycoumarin-4-yl)-acetyl (or Mca)

<220>
<221> MOD_RES
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<223> Xaa= [-3-(2,4-dinitrophenyl)-L- 2,3 diaminopropionyl] (or Dpa)

<220>
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<222> (8)..(8)
<223> AMIDATION

<400> 7

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1 5

<210> 8
<211> 8
<212> PRT
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<220>
<223> Synthetic Peptide

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<220>
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<223> Xaa=[-3-(2,4-dinitrophenyl)-L- 2,3 diaminopropionyl] (or Dpa)

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<301> van Hinsbergh, et al.

<303> Annals of Oncology

<304> 4

<306> 60

<307> 1999

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<301> van Hinsbergh, et al.

<303> Annals of Oncology

<304> 4

<306> 60

<307> 1999

<400> 14

Tyr Ile Gly Ser Arg
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<301> van Hinsbergh, et al.

<303> Annals of Oncology

<304> 4

<306> 60

<307> 1999

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<222> (1)..(7)

<223> nuclear localization signal of SV40 (monkey virus) large T
Antigen

<300>

<301> Kalderon, et al,

<302> A short amino acid sequence able to specify nuclear location

<303> Cell

<304> 39

<305> 3 Pt 2

<306> 499-509

<307> 1984-12

<400> 16

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<301> Ghosh, et al.
<303> Cell
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<306> 1019
<307> 1990

<400> 18

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<301> Nolan, et al.
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<306> 961
<307> 1991

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<222> (1)..(20)
<223> double basic nuclear localization signal in nucleoplasmin

<300>
<301> Dingwall, et al.
<303> Cell
<304> 30
<306> 449-458
<307> 1982

<300>
<301> Dingwall, et al.
<303> J. Cell Biol.
<304> 107
<306> 641-849
<307> 1988

<400> 20

Ala Val Lys Arg Pro Ala Ala Thr Lys Lys Ala Gly Gln Ala Lys Lys
1 5 10 15

Lys Lys Leu Asp
20